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Safety



EXERCISE MUNITIONS PROCEDURES

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements Air Force Policy Directive 91-3, ***Occupational Safety and Health***. It establishes procedures and responsibilities for the AMARC Exercise Munitions Procedures. This instruction provides procedures for storing, handling, transporting, disposition and emergency procedures for exercise munitions used by Inspector General (IG) and Exercise Evaluation Team (EET) members during exercises and inspections. It applies to all AMARC personnel and associated units to include Comptroller (FM), Aircraft Management (LA), Logistics (LG), Plans and Programs (XP) directorates.

SUMMARY OF REVISIONS: This is the initial publication.

1. GENERAL. The use of explosive munitions provides an increased sense of awareness during exercises, however they must be utilized in a safe manner. Smoke grenades and ground burst simulators will be the only types of explosive munitions used during center exercises. Explosive munitions will be used only with the approval of the AMARC Commander (CC).

2. RESPONSIBILITIES:

2.1. All personnel handling and using exercise munitions will be properly trained and will ensure strict compliance in accordance with (IAW) AFMAN 91-201, *Explosive Safety Standards*, this instruction and all established safety procedures.

2.2. Select EET members who use exercise munitions will receive training before every exercise from Explosive Ordnance Disposal (EOD) and EET leadership. The EET leader will maintain training documentation. Training documentation will also be tracked by Plans and Programs Division, Training (XPXT).

2.3. The AMARC Safety Office (CC-SE) will manage the EET exercise munitions account on behalf of the AMARC Exercise Team Leader, Plans and Programs Division (XPX).

2.4. Explosive munitions for exercise purposes will be authorized IAW the following:

2.4.1. CC will be the approving official for use of explosive munitions during each exercise.

2.4.2. Operational risk management (ORM) techniques will be applied to all anticipated use of explosive munitions for exercises. The ORM team will consist of the EET chief/leader, CC-SE, AMARC Security Officer (CCS) and a functional manager from the area to be exercised. The ORM evaluation will be documented and attached to the exercise plan for the CC's review prior to implementation. The EET leader will maintain all explosive munitions ORM documentation for a minimum of 3 years.

2.5. The EET leader will provide CC-SE with a list of EET members authorized to utilize explosive munitions. This list will be updated yearly as a minimum.

2.6. The EET leader will provide CC-SE with a list of required munitions 5 days prior to the exercise and a list of personnel authorized to withdraw the munitions for that exercise. **NOTE:** Upon notification of required munitions, the Safety Office will notify the Packaging Branch (LGLP) of the required daily quantity of exercise munitions. LGLP will coordinate with 355th Equipment Maintenance Squadron, Flight Office (355 EMS/LGMW) for the issue of the required munitions and issue the safety office the required munitions 1 day prior to the exercise.

3. SECURITY : Security of exercise munitions will be IAW appropriate directives as follows:

3.1. Exercise munitions will be stored at CC-SE at all times. Munitions will be kept locked at all times.

3.2. At least one member of CC-SE will be present in the workcenter whenever the munitions locker is unlocked.

3.3. Exercise munitions accountability will be maintained by the Chief of Safety or as directed by the Chief of Safety.

4. STORAGE : CC-SE will be licensed to store exercise munitions IAW AFMAN 91-201, *Explosive Safety Standards* and command supplements.

4.1. Only the minimum number of items necessary to support exercise scenarios will be stored in CC-SE. Maximum stored quantities are identified on the license and will not exceed the following:

4.1.1. Ground Burst Simulators (GBS) – 50 each

4.1.2. Smoke Grenades – 50 each

4.2. Fire extinguishers will be positioned in the direct vicinity of the storage locker.

4.3. Appropriate placards will be posted on the building and others areas as required by the base fire department.

5. TRANSPORTATION: For the purposes of this instruction, transportation refers only to the movement of exercise munitions from the safety office to the exercise location.

- 5.1. Exercise munitions must be transported in a metal container such as an ammo can. The container must be securely placed in the vehicle cargo compartment, not the passenger compartment. No more than 10 GBSs may be transported in a vehicle at one time.
- 5.2. Only government vehicles, including GSA and authorized government rental cars, may be used to transport exercise munitions. Vehicles will be placarded appropriately for the munitions being transported, i.e., GBSs – Class 1.2G, smoke grenades – Class 1.4 etc.
- 5.3. Each vehicle used must carry an appropriate fire extinguisher while transporting exercise munitions.
- 5.4. The EET chief/leader will provide the fire department with a list of all vehicles used to transport exercise munitions.
- 5.5. Inspectors/evaluators must maintain positive control over exercise munitions. **Never** leave them unattended.

6. EMPLOYMENT LOCATIONS : Normally, exercise munitions will only be used in the special testing area (300 acres). During exercises within the industrial or administrative areas smoke grenades may be utilized in predetermined locations. Ground burst simulators will **ONLY** be utilized in the special testing area.

6.1. The use of smoke grenades in industrial and/or administrative areas will be closely evaluated and approved on a case-by-case basis. The areas will be approved for each exercise as required by paragraph 2.4.2. Once an area has been approved, the documentation will be filed for reference. Future uses of the area will be revalidated through the ORM process and documentation updated.

6.2. Smoke grenades and GBSs present a fire/blast hazard and extreme care must be taken to ensure personnel and or facilities are not placed in jeopardy. These munitions will be set off in sandbag concrete enclosures. The enclosures will be 2 feet in diameter, 3 feet deep with 6 inches of sand in the bottom. Enclosures will be conspicuously marked so personnel do not use them as protective bunkers. Ensure the area is free of combustible material. **NOTE:** Use of the enclosures does not reduce required safety distances.

6.2.1. Safety distances for GBS use are as follows:

- 6.2.1.1. One hundred twenty five feet from any person, vehicle, or building with facing windows.
- 6.2.1.2. One hundred feet from any facility without facing windows.
- 6.2.1.3. One hundred feet from bulk petroleum, oil, and lubricant (POL) storage.
- 6.2.1.4. One hundred feet from aircraft in the open, 200 feet if aircraft are explosives loaded. **NOTE:** Aircraft with live egress systems installed are not considered explosives loaded.
- 6.2.1.5. Two hundred feet from explosives operating locations, holding areas, open storage areas, or butler-type storage facilities.

6.3. Smoke Grenades. Smoke from smoke grenades can be toxic in high concentrations. Note wind direction and speed when initiating to ensure smoke is well dispersed before it comes into close proximity of facilities or vehicles since smoke may discolor them. The smoke contains toxic materials, ensure that wind direction/speed is such that personnel are not exposed to the smoke plume. If per-

sonnel exposure cannot be avoided, all potentially exposed personnel will wear required PPE. Smoke grenades also present a localized fire hazard so operating locations must be free of combustible material.

6.4. Exercise munitions will never be set off within a facility.

7. HANDLING : In addition to the areas already covered, the following guidelines must be followed when IG/EET members handle and employ exercise munitions:

- 7.1. IG/EET members must wear leather or flight gloves while employing exercise munitions.
- 7.2. Proper fire fighting equipment (fire extinguisher and shovel/entrenching tool) must be readily available during employment.
- 7.3. EET members employing exercise munitions must be in radio contact with the EET chief/leader. Initiate munitions only when directed by the EET chief/leader.

8. EMERGENCY PROCEDURES : In the event of a dud or malfunctioned exercise munition, the following procedures will be adhered to:

- 8.1. Stop further exercise munitions operations at the malfunction location. Notify EOD representative if on site. Notify LAIA Production Scheduling by radio of the malfunction. Production Scheduling will request EOD assistance if they are not on site and notify the center safety office.
- 8.2. Keep all personnel at a safe distance from the site. In the case of a dud or malfunctioning GBS, at least 125 feet.
- 8.3. One individual must remain to ensure personnel do not approach the item and to direct EOD to correct location.
- 8.4. EET members, immediately notify the EET chief or leader of the malfunction.

9. DISPOSITION:

- 9.1. Following employment, all residues must be removed from the site and disposed of as directed by environmental requirements.
- 9.2. Unexpended exercise munitions must be returned to CC-SE.

OFFICIAL

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